

## Remarks

### Rejections Under 35 USC §112

I. Claims 34-41 and 43-46 have been rejected under 35 USC §112, first paragraph, as containing subject matter which was not described in the specification in such a way to reasonably convey to one skilled in the art that the inventor had possession of the claimed invention.

II. Claims 34-41 and 43-46 have been rejected under 35 USC §112, first paragraph, as containing subject matter which was not described in the specification in such a way to enable one skilled in the art at the time of the invention to make or use the invention.

III. Claims 34-41 and 43-46 have been rejected under 35 USC §112, second paragraph, as being indefinite.

### Rejections Under 35 USC §102(b)

Claims 34-41 and 43-46 have been rejected under 35 USC §102(b) as being anticipated by Kattner et al., Enochs, Jamison et al., Greub et al., Littlebury et al., Malhi et al., Elder et al. '850 or Item 32636 of the Research Disclosure No. 326.

### Rejections Under 35 USC §102(e)

Claims 34-41 and 43-46 have been rejected under 35 USC §102(e) as being anticipated by Item 32636 of the Research Disclosure No. 326.

### Response

Rejected claims 34-41 and 43-46, and withdrawn claim 42 have been canceled. In addition, claims 47-54 were previously canceled by the Amendment dated January 3, 2002.

Claims 55-75 have been added, and are directed to a "method for burn-in testing a semiconductor die".

In the specification, the title has been changed to be more descriptive of the added claims. In addition, the

"Cross Reference To Related Applications" has been amended to refer to a related case, Patent No. 6,091,251. The related case is a division of parent case, Patent No. 5,302,891, and also has claims directed to a "method for testing a semiconductor die". In addition, the "Cross Reference To Related Applications" has been amended to refer to related cases, Patent Nos. 5,408,190 and 5,440,240, which are continuations-in-part of abandoned parent case, serial no. 709,858.

In the drawings, permission is requested to add a labeled block in Figure 2 for a burn-in oven. As the term burn-in oven is used in the added claims, the amendment to the drawings is necessary to show all of the claim elements in the drawings. Antecedent basis for the "burn-in oven" element is contained on page 5, line 31, and on page 12, line 8, of the specification.

In addition, support for amending the drawings with the additional element is contained in 37 CFR 1.83(a) which states:

§1.83 Content of drawing

(a) The drawing must show every feature of the invention specified in the claims. However, conventional features disclosed in the description and the claims, where their detailed illustration is not essential for a proper understanding of the invention, should be illustrated in the form of a graphical drawing symbol (e.g., a labeled rectangular box).

(c) Where the drawings do not comply with the requirements of paragraphs (a) and (b) of this section, the examiner shall require such additional illustration within a time period of not less than two months from the date of sending of a notice thereof. Such corrections are subject to the requirements of §1.81(d).

## ADDED CLAIMS

With respect to the added claims, independent claim 55 is directed to a method for burn-in testing a die 21 (Figure 2), in which a test fixture 11 (Figure 2) having an external lead 33 (Figure 2) for establishing electrical contact between the die and a burn-in oven (antecedent basis on page 5, lines 31-32 of the specification) is provided. Independent claim 55 also recites the step of providing a plastic film 43 (Figure 2) having a bump 47 (Figure 2) for electrically contacting a pad 27 (Figure 1) on the die. Independent claim 55 also recites the steps of "placing the die in the test fixture", "placing the bump in electrical contact with the pad" and "placing the external lead in electrical contact with the burn-in oven".

Independent claim 61 is similar to claim 55, but recites plural leads and bumps, and recites the step of "biasing the bumps into electrical contact with the pads using a compressible member 53 (Figure 2)".

Independent claim 67 is similar to claim 55, but recites a "second bump 48 (Figure 2)" which establishes electrical communication between the "first bump 47 (Figure 2)" and the "external lead 33 (Figure 2)".

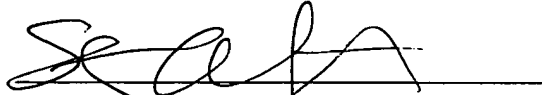
Independent claim 72 is similar to claim 55, but recites the step of "bonding the bump 47 (Figure 2) to the pad 27 (Figure 1)". Antecedent basis for this step is contained on page 9, lines 22-24 of the specification.

## Conclusion

In view of the amendments, favorable consideration and allowance of claims 55-75 is requested. An IDS is being filed concurrently with this Amendment. Should any issues remain, the Examiner is asked to contact the undersigned by telephone.

DATED this 18<sup>th</sup> day of February 2003.

Respectfully submitted:

  
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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class mail in an envelope addressed to: Assistant Commissioner of Patents, BOX RCE, Washington, D.C. on this 18<sup>th</sup> day of February, 2003.

February 18, 2003  
Date of Signature

  
Stephen A. Gratton  
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## MARKED VERSION OF SPECIFICATION SHOWING LOCATION OF CHANGES

On page 1, line 1, in the "Cross Reference To Related Applications" added by the Preliminary Amendment dated July 10, 2000.

### Cross Reference To Related Applications

This application is a continuation of [application] serial no. 08/192,023, filed February 3, 1994, Patent No. 6,091,250, which is a division of [application] serial no. 07/973,931, filed November 10, 1992, Patent No. 5,302,891, which is a continuation of [application] serial no. 07/709,858, filed June 4, 1991, abandoned.

This application is related to serial no. 08/888,448, filed July 7, 1997, Patent No. 6,091,251, and to serial no. 788,065, filed November 5, 1991, Patent No. 5,440,240, and to serial no. 73,005, filed June 7, 1993, Patent No. 5,408,190.



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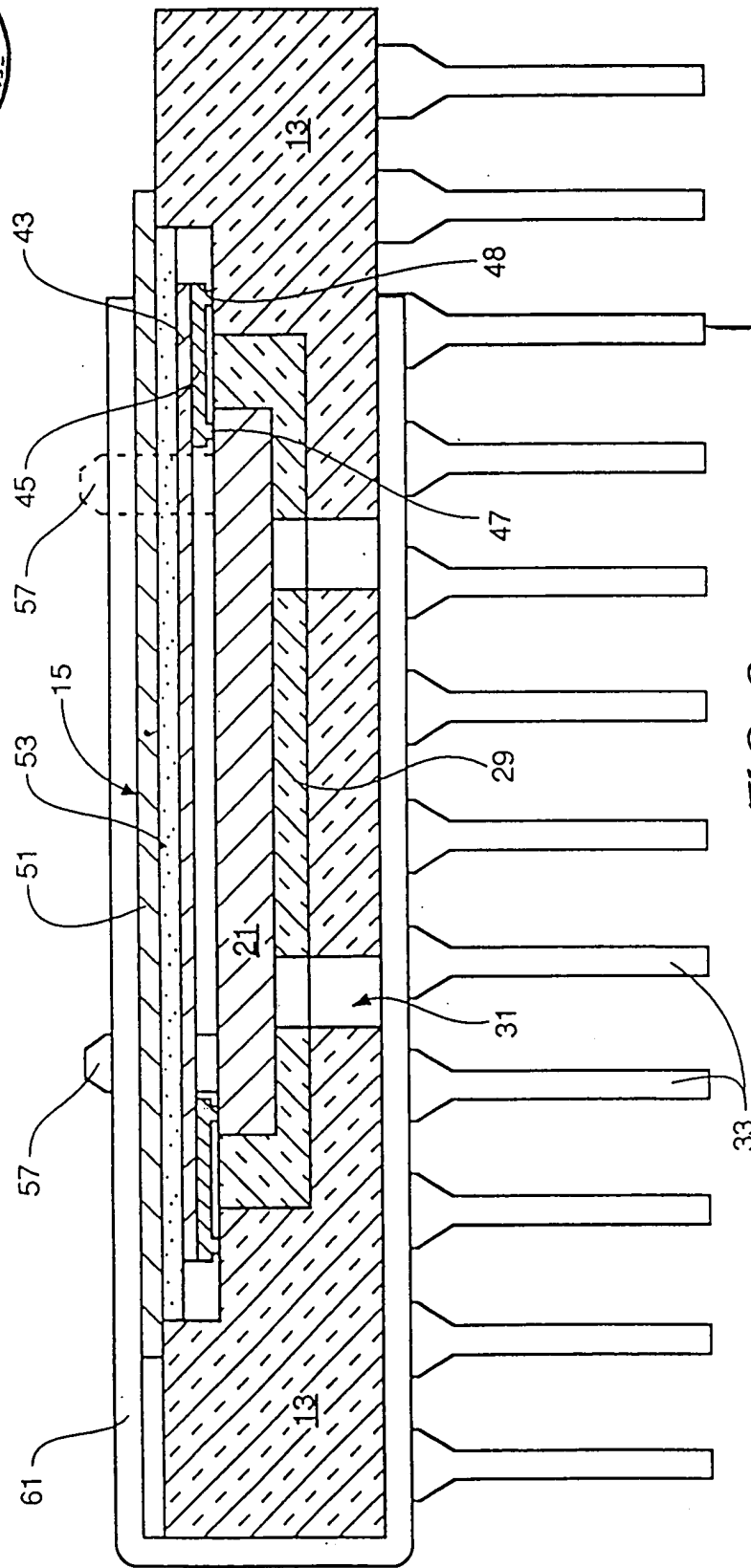


FIG. 2